

ABSTRACTMethod for filling sample carriers

A method for filling sample carriers (26) with chemical and/or biological liquids can be performed by means of a liquid dispensing device (10). The liquid dispensing device (10) comprises a liquid chamber (12). The liquid chamber (12) is acted on by a piezo actor (22). Through an activating pulse generated by the piezo actor (22), liquid droplets (24) are discharged from a discharge opening (16) towards a sample carrier (26). In this manner, deepened portions (28) are filled. According to the invention, to avoid an occurrence of wetting (30) in the region of the discharge opening (16), a prepulse (40) is generated prior to the generating of the activating pulses (34) and a damping pulse (46) is generated upon completion of the filling process.

(Fig. 5)